## (19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 14 October 2004 (14.10.2004)

**PCT** 

## (10) International Publication Number WO 2004/087738 A2

(51) International Patent Classification<sup>7</sup>:

**C07K** 

(21) International Application Number:

PCT/US2004/009662

(22) International Filing Date: 29 March 2004 (29.03.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(**30**) Priority Data: 60/457,570

27 March 2003 (27.03.2003) US

- (71) Applicant (for all designated States except US): THE UNIVERSITY OF TEXAS [US/US]; Health Science Center at Houston, 7000 Fannin Street, Suite 1477, Houston, TX 77030 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): PAUL, Sudhir [US/US]; 2323 Reflection Court, Missouri City, TX 77459 (US).
- (74) Agents: HAHL, Robert, W. et al.; Katten Muchin Zavis Rosenman, 1025 Thomas Jefferson Street, NW, East Lobby, Suite 700, Washington, DC 20007-5201 (US).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

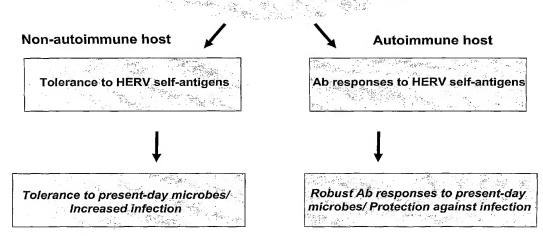
## Published:

 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: LUPUS ANTIBODIES FOR PASSIVE IMMUNOTHERAPY OF HIV/AIDS

Evolutionary integration of viral sequences into host genome is a microbial immune subversion strategy



(57) Abstract: Disclosed are monoclonal antibodies and antibody fragments which recognize antigens encoded by HERV DNA sequences, and methods for production, including recombinant antibody fragments derived from lymphoid cells of lupus patients that make antibodies which neutralize HIV.



